

Claims

- 5 1. A method comprising:
storing a first data structure which identifies a
first party of a telecommunication network and a first
telecommunication feature unavailable to the first
party;
after storing the first data structure, inputting
availability data which indicates an availability of
10 the first telecommunication feature to a portion of the
telecommunication network which serves the first party;
and
processing the first data structure and the
availability data to determine that the first
15 telecommunication feature has become available to the
first party.
2. The method of claim 1 further comprising:
before inputting the availability data, storing a
20 second data structure which identifies a second party
of the telecommunication network and the first
telecommunication feature unavailable to the second
party; and
processing the second data structure and the
25 availability data to determine that the first
telecommunication feature remains unavailable to the
second party.
3. The method of claim 1 before inputting the

availability data, storing a second data structure which identifies a second party of the telecommunication network and a second telecommunication feature unavailable to the second party; and

processing the second data structure and the availability data to determine that the second telecommunication feature remains unavailable to the second party.

10

~~4. The method of claim 1 further comprising notifying the first party that the first telecommunication feature has become available to the first party.~~

15

5. The method of claim 1 further comprising, prior to inputting the availability data:

receiving a call from the first party; and

informing, in the call, that the first

20 telecommunication feature is unavailable to the first party.

6. The method of claim 1 wherein the first telecommunication feature comprises a telecommunication service.

25

7. The method of claim 1 wherein the first telecommunication feature comprises a telecommunication product.

8. The method of claim 1 wherein the telecommunication network comprises a telephone network.

5

sh
a2
C2

9. A method comprising:

receiving a first call from a first party of a telecommunication network;

determining that a first telecommunication feature
10 is unavailable to the first party;

informing, in the first call, that the first telecommunication feature is unavailable to the first party;

storing a first data structure which identifies
15 the first party and the first telecommunication feature unavailable to the first party;

receiving a second call from a second party;

determining that a second telecommunication feature is unavailable to the second party;

20 informing, in the second call, that the second telecommunication feature is unavailable to the second party;

storing a second data structure which identifies the second party and the second telecommunication
25 feature unavailable to the second party;

receiving a third call from a third party;

determining that the first telecommunication feature is unavailable to the third party;

informing, in the third call, that the first

q2 } telecommunication feature is unavailable to the third party;

storing a third data structure which identifies the third party and the first telecommunication feature
5 unavailable to the third party;

after storing the first data structure, the second data structure, and the third data structure, inputting availability data which indicates an availability of the first telecommunication feature to a portion of the
10 telecommunication network which serves the first party but not the third party;

processing the first data structure, the second data structure, the third data structure, and the availability data to determine that the first
15 telecommunication feature has become available to the first party but remains unavailable to the third party; and

notifying the first party in a fourth call that the first telecommunication feature has become
20 available to the first party.

~~10.~~ An apparatus comprising:

a database comprising a first data structure which identifies a first party of a telecommunication network
25 and a first telecommunication feature unavailable to the first party; and

a computer to receive availability data which indicates an availability of the first telecommunication feature to a portion of the

~~telecommunication network which serves the first party,~~
~~the computer to process the first data structure and~~
~~the availability data to determine that the first~~
~~telecommunication feature has become available to the~~
5 first party.

11. The apparatus of claim 10 wherein the
database further comprises a second data structure
which identifies a second party of the
10 telecommunication network and the first
telecommunication feature unavailable to the second
party, and wherein the computer is to process the
second data structure and the availability data to
determine that the first telecommunication feature
15 remains unavailable to the second party.

12. The apparatus of claim 10 wherein the
database further comprises a second data structure
which identifies a second party of the
20 telecommunication network and a second
telecommunication feature unavailable to the second
party, and wherein the computer is to process the
second data structure and the availability data to
determine that the second telecommunication feature
25 remains unavailable to the second party.

~~13. The apparatus of claim 10 wherein the~~
~~computer is to output a signal to initiate notifying~~
~~the first party that the first telecommunication~~

~~feature has become available to the first party.~~

14. The apparatus of claim 10 wherein the first telecommunication feature comprises a telecommunication
5 service.

15. The apparatus of claim 10 wherein the first telecommunication feature comprises a telecommunication product.

10

16. The apparatus of claim 10 wherein the telecommunication network comprises a telephone network.

Sub C3 15 *sh* 17. A computer-readable medium whose contents cause a computer to store a first data structure which identifies a first party of a telecommunication network and a first telecommunication feature unavailable to the first party, to receive availability data which
20 indicates an availability of the first telecommunication feature to a portion of the telecommunication network which serves the first party, and to process the first data structure and the availability data to determine that the first
25 telecommunication feature has become available to the first party.

18. The computer-readable medium of claim 17 wherein the contents further cause the computer to

store a second data structure which identifies a second party of the telecommunication network and the first telecommunication feature unavailable to the second party, and to process the second data structure and the availability data to determine that the first telecommunication feature remains unavailable to the second party.

19. The computer-readable medium of claim 17 wherein the contents further cause the computer to store a second data structure which identifies a second party of the telecommunication network and a second telecommunication feature unavailable to the second party, and to process the second data structure and the availability data to determine that the second telecommunication feature remains unavailable to the second party.

~~20. The computer-readable medium of claim 17 wherein the contents further cause the computer to output a signal to initiate notifying the first party that the first telecommunication feature has become available to the first party.~~

21. The computer-readable medium of claim 17 wherein the first telecommunication feature comprises a telecommunication service.

22. The computer-readable medium of claim 17

wherein the first telecommunication feature comprises a telecommunication product.

23. The computer-readable medium of claim 17
5 wherein the telecommunication network comprises a telephone network.

10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
165
170
175
180
185
190
195
200
205
210
215
220
225
230
235
240
245
250
255
260
265
270
275
280
285
290
295
300
305
310
315
320
325
330
335
340
345
350
355
360
365
370
375
380
385
390
395
400
405
410
415
420
425
430
435
440
445
450
455
460
465
470
475
480
485
490
495
500
505
510
515
520
525
530
535
540
545
550
555
560
565
570
575
580
585
590
595
600
605
610
615
620
625
630
635
640
645
650
655
660
665
670
675
680
685
690
695
700
705
710
715
720
725
730
735
740
745
750
755
760
765
770
775
780
785
790
795
800
805
810
815
820
825
830
835
840
845
850
855
860
865
870
875
880
885
890
895
900
905
910
915
920
925
930
935
940
945
950
955
960
965
970
975
980
985
990
995